

Roy F. Weston, Inc.
Building 3701
Barnum Road
Fort Devens, Massachusetts 01433
508-772-7190 • Fax 508-772-7251

Mailing Address: Roy F. Weston, Inc. P.O. Box 425 Ayer, Massachusetts 01432-0425

02 June 1997 Work Order No. 03886-118-002-1700-00

Mr. Maurice Beaudoin, Resident Engineer Department of the Army New England Division, Corps of Engineers New Bedford Resident Office 103 Sawyer Street New Bedford, MA 02746

Superfund Records Center SITE: Now word and

Reference:

Contract No. DACW33-95-D-0004

Delivery Order No. 0002

New Bedford Harbor Superfund Site

Sawyer Street Site O & M DCN-NBH-060297-AAJD

Subject:

Quarterly Groundwater Sampling Results - First Quarter 1997

Dear Mr. Beaudoin:

This is a Letter Report summarizing quarterly groundwater sampling activities and results at the New Bedford Harbor Sawyer Street Site. Seven on-site groundwater monitoring wells (MW-1, MW-2, MW-3, MW-4A, MW-5, MW-6, and MW-7A) were sampled on 26 and 27 March 1997. The attached Site Plan shows the locations of on-site monitoring wells. Table 1 summarizes the groundwater samples collected. Table 2 summarizes the final field parameters measured at each location after well purging, but prior to sample collection. Table 3 summarizes the analytical results of the sampling.

As shown on Table 3, the total concentrations of lead in MW-1 and cadmium in MW-3 exceeded the applicable U.S. EPA Maximum Contaminant Level (MCL) regulatory guidelines of 15.0 and 5.0 parts per billion (ppb), respectively. No other exceedances of MCLs were noted. Data validation notes and the laboratory data transmittals for the 26 and 27 March 1997 groundwater sampling results are attached.

During the groundwater sampling event on 26 and 27 March 1997, the depression area located east of the Confined Disposal Facility (CDF) was inundated with standing water to a maximum depth of approximately 2.0 feet. Monitoring wells MW-2 and MW-3 are located in this area, and the depth of standing water in the vicinity of these two wells was observed to be approximately 1.5 feet. Standing water in the vicinity of these wells may affect the natural measured depth to water in the wells and may also affect the quality of groundwater in this area. The depression area is utilized as a discharge area for rain water which accumulates on the covers of CDF cells.

Mr. Maurice Beaudoin U.S. Army Corps of Engineers

2

02 June 1997

Please call me at (508) 772-7190 if you have any questions regarding this Letter Report.

Very Truly Yours,

ROY F. WESTON, INC.

David C. Crispo

Assistant Engineer II

cc: R. Rico (WESTON)

L. Lemay [WESTON DCN File (2)]

M. Otis (CENED)
Project File (DVN)

# Inter-Office Memorandum



TO:

Dave Crispo

FROM:

Diane Quigley

DATE:

4/15/97

Revised 5/6/97

PROJECT:

New Bedford

W.O. NO.:

03886-118-002-1700-00

SUBJECT:

Data Validation of Aqueous Samples Collected 3/26/97 and 3/27/97

The PCB and metal data submitted by Lancaster Laboratories for aqueous samples 001-0397 through 007-0397, 101-0397 and 202-0397 was reviewed. Holding times could not be verified due to analysis dates were not listed on data summary sheets. Matrix spike and field duplicate results met QC criteria. No target compounds were detected in the equipment blank. Data is useable as reported by the laboratory.

If you have any questions, please call me at (603) 656-5400.

(Revision)

The final data was reviewed. Metals were analyzed within holding times. No extraction dates were listed for PCB analysis, however, they were reported within two weeks of the collection date. The following discrepancies were noted:

- Chromium was detected in filtered sample <u>001-0397</u> (.0048J) and not in the unfiltered sample.
   No action is necessary.
- Lead was detected at a slightly higher level in filtered sample <u>005-0397</u> (.0066 mg/l) than in the unfiltered sample (.0029 mg/l). No action is necessary.



Page: 1 of 3

LLI Sample No. WW 2685315 Collected: 3/26/97 at 11:30 by DC

Submitted: 3/28/97 Reported: 4/10/97

Discard: 5/11/97

007-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F007 SDG#: NBH19-01

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

CAT NO.	ANALYSIS NAME	AS RECEIVED METHO RESULTS DETECTION		D LIMIT UNITS	
1749 1751 1753 1055 0173	Cadmium Chromium Copper Lead (furnace method) PCBs in Water	N.D. N.D. N.D. N.D.	0.0027 0.0043 0.0038 0.0012	mg/l mg/l mg/l mg/l See Page	2

This sample was field filtered for dissolved metals.

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 123814 558746 03:27:31 D 0002 12 232 0.00 00010504 ASR000







Page: 2 of 3

LLI Sample No. WW 2685315 Collected: 3/26/97 at 11:30 by DC

Submitted: 3/28/97 Reported: 4/10/97

Discard: 5/11/97

007-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F007 SDG#: NBH19-01

ANALYSIS NAME

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD RESULTS DETECTION LIMIT UNITS

PCBs in Water

CAT

NO.

0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		N.D. N.D. N.D. N.D. N.D. N.D. N.D.	0.042 0.12 0.047 0.097 0.037 0.14 0.035	ug/] ug/] ug/] ug/] ug/] ug/]
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Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



# Lancaster Laboratories A division of Thermo Analytical Inc.

LABORATORY CHRONICLE

Page: 3 of 3

LLI Sample No. WW 2685315 Collected: 03/26/97 at 11:30 by DC

Submitted: 03/28/97

007-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F007 SDG#: NBH19-01

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749 1751 1753 1848	Cadmium Chromium Copper WW SW846 ICP Digest (tot rec)	SW-846 6010A SW-846 6010A SW-846 6010A SW-846 3005A	1 1 1	04/07/97 0855 04/07/97 0855 04/07/97 0855 04/04/97 0754	Nina C. Haller Nina C. Haller Nina C. Haller Jennifer Garrett
1055	Lead (furnace method)	SW-846 7421	1	04/07/97 1744	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A		04/04/97 1929	Marie D. Kimmel
0173	PCBs in Water	SW-846 8081	1	04/01/97 2325	Michael Kielb
0817	Water Sample Pest. Extraction	SW-846 3510B		04/01/97 0800	L. Gabriela Rhoads

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road





Page: 1 of 3

LLI Sample No. ww 2685316 Collected: 3/26/97 at 12:08 by DC

Submitted: 3/28/97 Reported: 4/10/97

Discard: 5/11/97

001-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F001 SDG#: NBH19-02

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED CAT METHOD ANALYSIS NAME NO. **RESULTS** DETECTION LIMIT UNITS 1749 Cadmium N.D. 0.0027 mg/1 1751 Chromium 0.0048 J 0.0043 mq/11753 Copper 0.0038 mg/1 N.D. 1055 Lead (furnace method) 0.0048 0.0012 mg/l 0173 PCBs in Water See Page 2

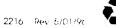
This sample was field filtered for dissolved metals.

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 03:27:41 D 0002 12 123814 558746 0.00 00010504 ASR000







Page: 2 of 3

LLI Sample No. WW 2685316 Collected: 3/26/97 at 12:08 by DC

Submitted: 3/28/97 Reported: 4/10/97 Discard: 5/11/97

001-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F001 SDG#: NBH19-02

CAT NO. ANALYSIS NAME

PCB-1254

PCB-1260

PCBs in Water PCB-1016 0639 0640 PCB-1221 0641 PCB-1232 PCB-1242 0642 0643 PCB-1248

0644

0645

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

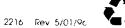
AS RECEIVED METHOD

RESULTS	DETECTION LI	MIT UNITS
N.D. N.D. N.D. N.D. N.D. N.D.	0.041 0.11 0.046 0.096 0.036 0.13 0.034	ug/l ug/l ug/l ug/l ug/l ug/l

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs





Page: 1 of 3

LLI Sample No. WW 2685317 Collected: 3/26/97 at 12:08 by DC

Submitted: 3/28/97 Reported: 4/10/97

Discard: 5/11/97

101-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F101 SDG#: NBH19-03

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED CAT METHOD NO. ANALYSIS NAME **RESULTS** DETECTION LIMIT UNITS 1749 Cadmium 0.0034 J 0.0027 mg/1 1751 Chromium N.D. 0.0043 mg/1 1753 Copper 0.0038 mg/1 N.D. 1055 Lead (furnace method) 0.0051 0.0012 mg/1 0173 PCBs in Water See Page 2

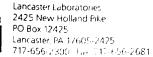
This sample was field filtered for dissolved metals.

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 03:27:50 D 0002 12 123814 558746 0.00 00010504 ASR000







#### LABORATORY CHRONICL

Page: 3 of 3



LLI Sample No. ww 2685316 Collected: 03/26/97 at 12:08 by DC

Submitted: 03/28/97

001-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F001 SDG#: NBH19-02

CAT **ANALYSIS** NO ANALYSIS NAME METHOD TRIAL DATE AND TIME **ANALYST** SW-846 6010A SW-846 6010A SW-846 6010A 1749 Cadmium 04/07/97 0858 Nina C. Haller Nina C. Haller 1751 Chromium 04/07/97 0858 1 1753 Copper 1 04/07/97 0858 Nina C. Haller 1848 WW SW846 ICP Digest (tot rec) SW-846 3005A 1 04/04/97 0754 Jennifer Garrett 1055 Lead (furnace method) 5704 WW/TL SW 846 GFAA Digest tot SW-846 7421 1 04/07/97 1801 Jolene M. Schields SW-846 3020A 04/04/97 1929 Marie D. Kimmel 0173 PCBs in Water SW-846 8081 04/02/97 0004 Michael Kielb 0817 Water Sample Pest. Extraction SW-846 3510B 04/01/97 0800 L. Gabriela Rhoads

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road



Page: 2 of 3

LLI Sample No. WW 2685317 Collected: 3/26/97 at 12:08 by DC

Submitted: 3/28/97 Reported: 4/10/97

Discard: 5/11/97

101-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F101 SDG#: NBH19-03

ANALYSIS NAME

CAT

PCBs in Water

NO.

PCB-1016 0639 PCB-1221 PCB-1232 0640 0641 0642 PCB-1242 0643 PCB-1248 0644 PCB-1254 0645 PCB-1260

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED METHOD

RESULTS	DETECTION LI	MIT UNITS
N.D.	0.041	ug/l
N.D.	0.11	ug/l
N.D.	0.046	ug/l
N.D.	0.095	ug/l
N.D.	0.036	ug/l
N.D.	0.13	ug/l

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300

Lancaster Laboratories

2425 New Holland Pike PO Box 12425 Lancaster, PA-17605-2425 717-656-2300 Fuz 217-656-2681



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs





2216 Rev 5/01/96

#### LABORATORY CHRONICL

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LLI Sample No. WW 2685317 Collected: 03/26/97 at 12:08 by DC

Submitted: 03/28/97

101-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F101 SDG#: NBH19-03

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	04/07/97 0908	Nina C. Haller
1751	Chromium	SW-846 6010A	1	04/07/97 0908	Nina C. Haller
1753	Copper	SW-846 6010A	1	04/07/97 0908	Nina C. Haller
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	04/04/97 0754	Jennifer Garrett
1055	Lead (furnace method)	SW-846 7421	1	04/07/97 1809	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A		04/04/97 1929	Marie D. Kimmel
0173	PCBs in Water	SW-846 8081	1	04/02/97 0042	Michael Kielb
0817	Water Sample Pest. Extraction	SW-846 3510B		04/01/97 0800	L. Gabriela Rhoads

## Analysis Repai



Page: 1 of 3

LLI Sample No. WW 2685318 Collected: 3/26/97 at 12:50 by DC

Submitted: 3/28/97 Reported: 4/10/97 Discard: 5/11/97

006-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F006 SDG#: NBH19-04

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED CAT METHOD NO. ANALYSIS NAME **RESULTS** DETECTION LIMIT UNITS 1749 Cadmium N.D. 0.0027 mg/l1751 Chromium 0.0043 mg/1 N.D. 1753 Copper N.D. 0.0038 mg/1 Lead (furnace method) PCBs in Water 1055 0.0017 J 0.0012 mg/10173 See Page 2

This sample was field filtered for dissolved metals.

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 123814 558746 03:28:00 D 0002 12 0.00 00010504 ASR000

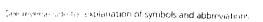
Lancaster Laboratories

2425 New Holland Pike

Lancaster, PA-17605-2425-717-656-2366-356-317-656-2681

PO Box 12425







Page: 2 of 3

LLI Sample No. ww 2685318 Collected: 3/26/97 at 12:50 by DC

Submitted: 3/28/97 Reported: 4/10/97 Discard:

5/11/97

006-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F006 SDG#: NBH19-04

CAT NO. ANALYSIS NAME

PCBs in Water

0639 PCB-1016 0640 PCB-1221 0641 PCB-1232 0642 PCB-1242 0643 PCB-1248 PCB-1254 0644 0645 PCB-1260

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

DETECTION LIMIT UNITS

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED METHOD

RESULTS

N.D.	0.041	ug/1
N.D.	0.11	ug/1

0.046 N.D. 0.095 ug/1 N.D. 0.036 ug/1 N.D. 0.13 ug/l N.D. 0.034 ug/1

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs

### LABORATORY CHRONICLE

Page: 3 of 3



LLI Sample No. WW 2685318 Collected: 03/26/97 at 12:50 by DC

Submitted: 03/28/97

006-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F006 SDG#: NBH19-04

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
	Cadmium	SW-846 6010A	1	04/07/97 0912	Nina C. Haller
	Chromium	SW-846 6010A	1	04/07/97 0912	Nina C. Haller
	Copper	SW-846 6010A	1	04/07/97 0912	Nina C. Haller
	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	04/04/97 0754	Jennifer Garrett
1055	Lead (furnace method)	SW-846 7421	1	04/07/97 1818	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	04/04/97 1929	Marie D. Kimmel
0173	PCBs in Water	SW-846 8081	1	04/02/97 0121	Michael Kielb
0817	Water Sample Pest. Extraction	SW-846 3510B		04/01/97 0800	L. Gabriela Rhoads

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road







Page: 1 of 3

LLI Sample No. WW 2685319 Collected: 3/26/97 at 13:30 by DC

Submitted: 3/28/97 Reported: 4/10/97 Discard: 5/11/97

004-0397 Unspiked Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F004 SDG#: NBH19-05BKG

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

CAT	AS RECEIVED				
CAT NO.	ANALYSIS NAME	RESULTS	METHOD DETECTION LIM	IT UNITS	
1749 1751 1753 1055 0173	Cadmium Chromium Copper Lead (furnace method) PCBs in Water	N.D. N.D. N.D. 0.0016 J	0.0027 0.0043 0.0038 0.0012	mg/l mg/l mg/l mg/l See Page	2

This sample was field filtered for dissolved metals.

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 03:28:09 D 0002 12 123814 558746 232 0.00 00010504 ASR000

> Respectfully Submitted Ramona V. Layman Manager, Metals/Leachates







Lancaster Laboratories

2425 New Holland Pike



Page: 2 of 3

LLI Sample No. ww 2685319 Collected: 3/26/97 at 13:30 by DC

Submitted: 3/28/97 Reported: 4/10/97

Discard: 5/11/97

004-0397 Unspiked Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F004 SDG#: NBH19-05BKG

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

CAT			AS	RECEIVED
NO.	ANALYSIS	NAME	RESULTS	METHOD DETECTION LIMIT UNITS
PCBs	in Water			
0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		N.D. N.D. N.D. N.D. N.D. N.D.	0.0 43, ,

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



#### LABORATORY CHRONICLE

Page: 3 of 3



LLI Sample No. ww 2685319 Collected: 03/26/97 at 13:30 by DC

Submitted: 03/28/97

004-0397 Unspiked Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F004 SDG#: NBH19-05BKG

-1 004	SUCHE. MUNTE-USDING	
CAT NO	ANALYSIS NAME	METHOD
1749 1751 1753 1848	Cadmium Chromium Copper WW SW846 ICP Digest (tot rec)	SW-846 6010A SW-846 6010A SW-846 6010A SW-846 3005A
1055	load (funnace method)	CLL 046 7401

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	04/07/97 0834	Nina C. Haller
1751	Chromium	SW-846 6010A	1	04/07/97 0834	Nina C. Haller
1753	Copper	SW-846 6010A	1	04/07/97 0834	Nina C. Haller
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	04/04/97 0754	Jennifer Garrett
1055	Lead (furnace method)	SW-846 7421	1	04/07/97 1710	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A		04/04/97 1929	Marie D. Kimmel
0173	PCBs in Water	SW-846 8081	1	04/02/97 1624	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B		04/01/97 0800	L. Gabriela Rhoads

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road



Page: 1 of

LLI Sample No. ww 2685320 Collected: 3/26/97 at 13:30 by DC

Submitted: 3/28/97 Reported: 4/10/97 Discard: 5/11/97

004-0397 Duplicate Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F004 SDG#: NBH19-05DUP

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

-			
		AS RECEIVE	ED
CAT			METHOD
NO.	ANALYSIS NAME	RESULTS DET	TECTION LIMIT UNITS
1749	Cadmium	N.D.	0.0027 mg/l
1751	Chromium	N.D.	0.0043 mg/1
1753	Copper	N.D.	0.0038 mg/1
1055	Lead (furnace method)	0.0018 J	0.0012 mg/l

This sample was field filtered for dissolved metals.

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative at (717) 656-2300 123814 558746 De Brooks 03:28:18 D 0002 12

0.00 00004524 ASR000





#### LABORATORY CHRONICLE

Page: 2 of 2



LLI Sample No. ww 2685320 Collected: 03/26/97 at 13:30 by DC

Submitted: 03/28/97

004-0397 Duplicate Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F004 SDG#: NBH19-05DUP

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1753	Cadmium Chromium Copper WW SW846 ICP Digest (tot rec)	SW-846 6010A SW-846 6010A SW-846 6010A SW-846 3005A	1 1 1	04/07/97 0841	Nina C. Haller Nina C. Haller Nina C. Haller Jennifer Garrett
1055 5704	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1 1	04/07/97 1718 04/04/97 1929	Jolene M. Schields Marie D. Kimmel

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road







Page: 1 of 3

LLI Sample No. WW 2685321 Collected: 3/26/97 at 13:30 by DC

Submitted: 3/28/97 Reported: 4/10/97 Discard: 5/11/97

004-0397 Matrix Spike Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F004 SDG#: NBH19-05MS

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

METHOD

2

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED CAT ANALYSIS NAME RESULTS

NO. DETECTION LIMIT UNITS 1749 Cadmium 0.046 0.0027 mg/l 1751 Chromium 0.192 0.0043 mg/1 1753 0.0038 mg/1 Copper 0.232 1055 Lead (furnace method) 0.0257 0.0012 mg/0173 PCBs in Water See Page

This sample was field filtered for dissolved metals.

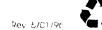
1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 03:28:24 D 0002 12 123814 558746

0.00 00010504 ASR000







Page: 2 of 3

LLI Sample No. ww 2685321 Collected: 3/26/97 at 13:30 by DC

Submitted: 3/28/97 Reported: 4/10/97

Discard: 5/11/97

004-0397 Matrix Spike Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F004 SDG#: NBH19-05MS

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

		AS	AS RECEIVED			
ANALYSIS	NAME	RESULTS	METHOD DETECTION LIMIT UNITS			
in Water						
PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254		3.85 N.D. N.D. N.D. N.D.	0.045 ug/l 0.094 ug/l 0.036 ug/l 0.13 ug/l			
PCB-1260		4.04	0.034 ug/1			
	in Water  PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254	ANALYSIS NAME RESULTS in Water  PCB-1016 3.85 PCB-1221 N.D. PCB-1232 N.D. PCB-1242 N.D. PCB-1248 N.D. PCB-1254 N.D.			

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



# Lancaster Laboratories A division of Thermo Analytical Inc.

LABORATORY CHRONICLE

Page: 3 of 3

LLI Sample No. ww 2685321 Collected: 03/26/97 at 13:30 by DC

Submitted: 03/28/97

004-0397 Matrix Spike Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F004 SDG#: NBH19-05MS

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	04/07/97 0844	Nina C. Haller
1751	Chromium	SW-846 6010A	1	04/07/97 0844	Nina C. Haller
1753	Copper	SW-846 6010A	1	04/07/97 0844	Nina C. Haller
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	04/04/97 0754	Jennifer Garrett
1055	Lead (furnace method)	SW-846 7421	1	04/07/97 1727	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	04/04/97 1929	Marie D. Kimmel
0173	PCBs in Water	SW-846 8081	1	04/02/97 1507	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B		04/01/97 0800	L. Gabriela Rhoads

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road





Page: 1 of 3

LLI Sample No. WW 2685322 Collected: 3/26/97 at 13:30 by DC

Submitted: 3/28/97 Reported: 4/10/97

Discard: 5/11/97

004-0397 Matrix Spike Duplicate Filtered Grab

Water Sample US ACOE-New Bedford 03886-118-002-0500-03 -F004 SDG#: NBH19-05MSD

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

CAT		AS RECEIVED METHOD			
NO.	ANALYSIS NAME	RESULTS	DETECTION LIM	IT UNITS	
1749 1751 1753 1055 0173	Cadmium Chromium Copper Lead (furnace method) PCBs in Water	0.045 0.190 0.227 0.0260	0.0027 0.0043 0.0038 0.0012	mg/l mg/l mg/l mg/l See Page	2

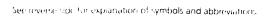
This sample was field filtered for dissolved metals.

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 03:28:33 D 0002 12 123814 558746 232 0.00 00010504 ASR000







Page: 2 of 3

LLI Sample No. WW 2685322 Collected: 3/26/97 at 13:30 by DC

Submitted: 3/28/97 Reported: 4/10/97 Discard: 5/11/97

004-0397 Matrix Spike Duplicate Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F004 SDG#: NBH19-05MSD

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

AC DECETVED

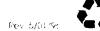
P.O. LL-2139-A7 Rel. 03886-118-002

		AS .	RECEIVED
CAT NO.	ANALYSIS	NAME RESULTS	METHOD DETECTION LIMIT UNITS
PCBs	in Water		
0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	3.89 N.D. N.D. N.D. N.D. N.D. 4.03	0.045 ug/1 0.094 ug/1

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



#### LABORATORY CHRONICLE

Page: 3 of 3



LLI Sample No. ww 2685322 Collected: 03/26/97 at 13:30 by DC

Submitted: 03/28/97

004-0397 Matrix Spike Duplicate Filtered Grab Water Sample
US ACOE-New Bedford 03886-118-002-0500-03
-F004 SDG#: NBH19-05MSD

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749 1751 1753 1848	Cadmium Chromium Copper WW SW846 ICP Digest (tot rec)	SW-846 6010A SW-846 6010A SW-846 6010A SW-846 3005A	1 1 1	04/07/97 0848 04/07/97 0848 04/07/97 0848 04/04/97 0754	Nina C. Haller Nina C. Haller Nina C. Haller Jennifer Garrett
	Lead (furnace method)	SW-846 7421	1	04/07/97 1735	Jolene M. Schields
	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	04/04/97 1929	Marie D. Kimmel
0173	PCBs in Water	SW-846 8081	1	04/02/97 1545	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B	1	04/01/97 0800	L. Gabriela Rhoads

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road



Page: 1 of 3

LLI Sample No. ww 2685323 Collected: 3/26/97 at 13:40 by DC

Submitted: 3/28/97 Reported: 4/10/97 5/11/97 Discard:

005-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F005 SDG#: NBH19-06

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

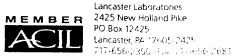
CAT	-	AS RECEIVED			
CAT NO.	ANALYSIS NAME	RESULTS	METHOD DETECTION LIM	IT UNITS	
1749 1751 1753 1055 0173	Cadmium Chromium Copper Lead (furnace method) PCBs in Water	N.D. N.D. N.D. 0.0066	0.0027 0.0043 0.0038 0.0012	mg/l mg/l mg/l mg/l See Page	2

This sample was field filtered for dissolved metals.

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 123814 558746 03:28:43 D 0002 12 232 0.00 00010504 ASR000







Page: 2 of 3

LLI Sample No. WW 2685323 Collected: 3/26/97 at 13:40 by DC

Submitted: 3/28/97 Reported: 4/10/97

Discard: 5/11/97

005-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F005 SDG#: NBH19-06

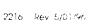
Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433 P.O. LL-2139-A7 Rel. 03886-118-002

CAT				AS RECEIVED		
NO.	ANALYSIS	NAME	RESULTS	METHOD DETECTION LIMIT	T UNITS	
PCBs	in Water					
0639 0640 0641 0642	PCB-1016 PCB-1221 PCB-1232 PCB-1242		N.D. N.D. N.D. N.D.	0.11 i 0.046 i 0.095 i	19/1 19/1 19/1 19/1	
0643 0644 0645	PCB-1248 PCB-1254 PCB-1260		N.D. N.D. N.D.	. 0.036 ι . 0.13 ι	ığ/] ıg/] ıg/]	

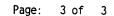
Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



#### LABORATORY CHRONICLE





LLI Sample No. WW 2685323 Collected: 03/26/97 at 13:40 by DC

Submitted: 03/28/97

005-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F005 SDG#: NBH19-06

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1753	Cadmium Chromium Copper WW SW846 ICP Digest (tot rec)	SW-846 6010A SW-846 6010A SW-846 6010A SW-846 3005A	1 1 1	04/07/97 0915	Nina C. Haller Nina C. Haller Nina C. Haller Jennifer Garrett
	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1 1	04/08/97 1127 04/04/97 1929	Elizabeth A. Tomlinson Marie D. Kimmel
	PCBs in Water Water Sample Pest. Extraction	SW-846 8081 SW-846 3510B	1	04/02/97 1702 04/01/97 0800	Rick Shober L. Gabriela Rhoads







Page: 1 of 3

LLI Sample No. WW 2685324 Collected: 3/26/97 at 15:00 by DC

Submitted: 3/28/97 Reported: 4/10/97

Discard: 5/11/97

202-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F202 SDG#: NBH19-07

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

AS RECEIVED

P.O. LL-2139-A7 Rel. 03886-118-002

CAT		METHOD			
NO.	ANALYSIS NAME	RESULTS	DETECTION LIM	IIT UNITS	
1749 1751 1753	Cadmium Chromium Copper	N.D. N.D. N.D.	0.0027 0.0043 0.0038	mg/1 mg/1 mg/1	
1055 0173	Lead (furnace method) PCBs in Water	N.D.	0.0012 1.	mg/1 See Page	2

This sample was field filtered for dissolved metals.

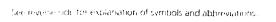
1 COPY TO 1 COPY TO Roy F. Weston, Inc. Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 03:28:52 D 0002 12 123814 558746 0.00 00010504 ASR000

> Respectfully Submitted Ramona V. Layman Manager, Metals/Leachates





Lancaster Laboratories

P.O. LL-2139-A7

Rel. 03886-118-002



Page: 2 of 3

LLI Sample No. ww 2685324 Collected: 3/26/97 at 15:00 by DC

Discard:

5/11/97

Submitted: 3/28/97 Reported: 4/10/97

202-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F202 SDG#: NBH19-07

AS RECEIVED

METHOD **RESULTS** DETECTION LIMIT UNITS

Account No: 08947

Devons MA 01433

Roy F. Weston, Inc. Bldg. 3701 Barnum Road

CAT NO. ANALYSIS NAME

PCBs in Water

0639 PCB-1016 PCB-1221 0640 0641 PCB-1232 0642 PCB-1242 0643 PCB-1248 0644 PCB-1254

PCB-1260

0645

N.D. 0.041 ug/1 N.D. 0.11 ug/1 N.D. 0.046 ug/1 N.D. 0.095 ug/1 N.D. 0.036 ug/l N.D. 0.13 ug/1 N.D. 0.034

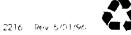
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Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



Respectfully Submitted Jenifer E. Hess. B.S. Group Leader Pesticides/PCBs





### LABORATORY CHRONICLE



LLI Sample No. ww 2685324 Collected: 03/26/97 at 15:00 by DC

Submitted: 03/28/97

202-0397 Filtered Grab Water Sample

US\_ACOE-New Bedford 03886-118-002-0500-03

-F202 SDG#: NBH19-07

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1753	Cadmium Chromium Copper WW SW846 ICP Digest (tot rec)	SW-846 6010A SW-846 6010A SW-846 6010A SW-846 3005A	1 1 1	04/07/97 0919 04/07/97 0919 04/07/97 0919 04/04/97 0754	Nina C. Haller Nina C. Haller Nina C. Haller Jennifer Garrett
	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1	04/07/97 1834 04/04/97 1929	Jolene M. Schields Marie D. Kimmel
	PCBs in Water Water Sample Pest. Extraction	SW-846 8081 SW-846 3510B	1 1	04/02/97 0239 04/01/97 0800	Michael Kielb L. Gabriela Rhoads

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road





P.O. LL-2139-A7

Rel. 03886-118-002



Page: 1 of 3

LLI Sample No. WW 2685325 Collected: 3/27/97 at 09:30 by DC

Submitted: 3/28/97 Reported: 4/10/97

Discard: 5/11/97

002-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F002 SDG#: NBH19-08

CAT

NO.

1749

1751

1753

AS RECEIVED

Account No: 08947

Devons MA 01433

Roy F. Weston, Inc. Bldg. 3701 Barnum Road

METHOD ANALYSIS NAME RESULTS DETECTION LIMIT UNITS Cadmium N.D. 0.0027 mg/1 Chromium 0.0043 mg/1 N.D. Copper N.D. 0.0038 mg/1

1055 Lead (furnace method) N.D. 0.0012 mg/l 0173 PCBs in Water See Page 2

This sample was field filtered for dissolved metals.

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 123814 558746 03:29:03 D 0002 12 0.00 00010504 ASR000



Lancaster Laboratories 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-7425

717-656-2300 For 21 -656-2681



P.O. LL-2139-A7

Rel. 03886-118-002



Page: 2 of 3

LLI Sample No. WW 2685325 Collected: 3/27/97 at 09:30 by DC

Submitted: 3/28/97 Reported: 4/10/97 Discard:

ANALYSIS NAME

5/11/97

002-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F002 SDG#: NBH19-08

AS RECEIVED

METHOD **RESULTS** DETECTION LIMIT UNITS

Account No: 08947

Devons MA 01433

Roy F. Weston, Inc. Bldg. 3701 Barnum Road

PCBs in Water

CAT

NO.

0639 PCB-1016 0640 PCB-1221 0641 PCB-1232 PCB-1242 0642 0643 PCB-1248 0644 PCB-1254 0645 PCB-1260

N.D. 0.041 ug/1 N.D. 0.11 ug/1 0.046 N.D. ug/1 N.D. 0.095 ug/1 N.D. 0.036 ug/1 N.D. 0.13 ug/1 N.D. 0.034 ug/1

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300

> Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs





### LABORATORY CHRONICLE

Page: 3 of 3



LLI Sample No. ww 2685325 Collected: 03/27/97 at 09:30 by DC

Submitted: 03/28/97

002-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F002 SDG#: NBH19-08

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	04/07/97 0922	Nina C. Haller
1751	Chromium	SW-846 6010A	1	04/07/97 0922	Nina C. Haller
1753	Copper	SW-846 6010A	1	04/07/97 0922	Nina C. Haller
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	04/04/97 0754	Jennifer Garrett
1055	Lead (furnace method)	SW-846 7421	1	04/07/97 1851	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	04/04/97 1929	Marie D. Kimmel
0173	PCBs in Water	SW-846 8081	1	04/02/97 0318	Michael Kielb
0817	Water Sample Pest. Extraction	SW-846 3510B	1	04/01/97 0800	L. Gabriela Rhoads

Account No: 08947

Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433







Page: 1 of

LLI Sample No. ww 2685326 Collected: 3/27/97 at 11:25 by DC

Submitted: 3/28/97 Reported: 4/10/97

Discard: 5/11/97

003-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F003 SDG#: NBH19-09\*

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED CAT METHOD NO. ANALYSIS NAME **RESULTS** DETECTION LIMIT UNITS 1749 Cadmium 0.0045 J 0.0027 mg/11751 Chromium 0.0043 mg/1 N.D. 1753 Copper 0.038 0.0038 mg/l 1055 Lead (furnace method) N.D. 0.0012 mg/l 0173 PCBs in Water See Page 2

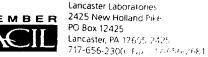
This sample was field filtered for dissolved metals.

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 03:29:12 D 0002 12 123814 558746 0.00 00010504 ASR000









Page: 2 of 3

LLI Sample No. ww 2685326 Collected: 3/27/97 at 11:25 by DC

Submitted: 3/28/97 Reported: 4/10/97

Discard: 5/11/97

003-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-F003 SDG#: NBH19-09\*

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

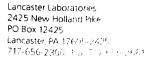
P.O. LL-2139-A7 Rel. 03886-118-002

CAT			AS REC	CEIVED
NO.	ANALYSIS	NAME	RESULTS	METHOD DETECTION LIMIT UNITS
PCBs i	in Water			
0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		N.D. N.D. N.D. N.D. N.D. N.D.	0.042 ug/1 0.12 ug/1 0.046 ug/1 0.097 ug/1 0.037 ug/1 0.14 ug/1 0.035 ug/1

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



#### LABORATORY CHRONICLE



Page: 3 of 3

LLI Sample No. WW 2685326 Collected: 03/27/97 at 11:25 by DC

Submitted: 03/28/97

003-0397 Filtered Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -F003 SDG#: NBH19-09\*

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749 1751 1753 1848	Chromium	SW-846 6010A SW-846 6010A SW-846 6010A SW-846 3005A	1 1 1	04/07/97 0926 04/07/97 0926 04/07/97 0926 04/04/97 0754	Nina C. Haller Nina C. Haller Nina C. Haller Jennifer Garrett
1055	Lead (furnace method)	SW-846 7421	1	04/07/97 1900	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A		04/04/97 1929	Marie D. Kimmel
0173	PCBs in Water	SW-846 8081	1	04/02/97 0357	Michael Kielb
0817	Water Sample Pest. Extraction	SW-846 3510B	1	04/01/97 0800	L. Gabriela Rhoads





Page: 1 of 3

LLI Sample No. ww 2685303 Collected: 3/26/97 at 11:30 by DC

Submitted: 3/28/97 Reported: 4/11/97

Discard: 5/12/97

007-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

11-30 SDG#: NBH18-01

CAT

C 75 15 4

NO. ANALYSIS NAME

1749 Cadmium 1751 Chromium

1753 Copper 1055 Lead (furnace method)

PCBs in Water 0173

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD **RESULTS** DETECTION LIMIT UNITS

N.D. 0.0027 mg/l 0.0099 J 0.0087 J 0.0043 mg/1 0.0038 mg/l 0.0060 0.0012 mg/1

See Page 2

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative at (717) 656-2300 123814 558745 De Brooks 09:04:01 D 0002 12 0.00 00010504 ASR000 232



Lancaster Laboratories 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425. 717-656-2300 For 717 (54, 768)





Page: 2 of 3

LLI Sample No. ww 2685303 Collected: 3/26/97 at 11:30 by DC

Submitted: 3/28/97 Reported: 4/11/97 Discard: 5/12/97

007-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

11-30 SDG#: NBH18-01

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

CAT			AS	RECEIVED
NO.	ANALYSIS	NAME	RESULTS	METHOD DETECTION LIMIT UNITS
PCBs	in Water			
0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260		N.D N.D N.D N.D N.D N.D	0.11 ug/1 0.044 ug/1 0.092 ug/1 0.035 ug/1 0.13 ug/1

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



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LABORATORY CHRONICLE

Page: 3 of 3

LLI Sample No. ww 2685303 Collected: 03/26/97 at 11:30 by DC

Submitted: 03/28/97

007-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 11-30 SDG#: NBH18-01

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	04/08/97 0412	Donna R. Sackett
1751	Chromium	SW-846 6010A	1	04/08/97 0412	Donna R. Sackett
1753	Copper	SW-846 6010A	1	04/08/97 0412	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	04/04/97 0754	Jennifer Garrett
1055	Lead (furnace method)	SW-846 7421	1	04/08/97 2243	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A		04/03/97 1330	Christine M. Conlin
0173	PCBs in Water	SW-846 8081	1	04/02/97 2133	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B		04/01/97 1315	Roxanne M. Roth

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433







Page: 1 of 3

LLI Sample No. ww 2685304 Collected: 3/26/97 at 12:08 by DC

Submitted: 3/28/97 Reported: 4/11/97 Discard: 5/12/97

001-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

12-08 SDG#: NBH18-02

CAT NO.

ু 📆

ANALYSIS NAME

1749 Cadmium 1751 Chromium 1753 Copper

1055 Lead (furnace method)

0173 PCBs in Water

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD **RESULTS** DETECTION LIMIT UNITS

N.D. 0.0027 mg/l 0.0043 mg/1 N.D. 0.0042 J 0.0038 mg/1 0.0155 0.0012 mg/1

See Page

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 123814 558745 09:04:14 D 0002 12 0.00 00010504 ASR000



PO Box 12425

Lancaster Laboratories 2425 New Holland Pike Lancaster, PA 17605-2425 717-656-2300 Fax 717-656-2681



P.O. LL-2139-A7

Rel. 03886-118-002



Page: 2 of 3

LLI Sample No. ww 2685304 Collected: 3/26/97 at 12:08 by DC

Submitted: 3/28/97 Reported: 4/11/97 Discard:

5/12/97

001-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

12-08 SDG#: NBH18-02

ANALYSIS NAME

AS RECEIVED

METHOD RESULTS DETECTION LIMIT UNITS

Account No: 08947

Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

PCBs in Water

CAT

NO.

0639 PCB-1016 PCB-1221 PCB-1232 0640 0641 PCB-1242 0642 PCB-1248 PCB-1254 0643 0644 0645 PCB-1260

N.D. 0.04 ug/1 N.D. 0.1 ug/1 N.D. 0.05 ug/1 N.D. 0.1 ug/1 N.D. 0.04 ug/1 N.D. 0.1 ug/1 N.D. 0.04 ug/1

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



# Lancaster Laboratories A division of Thermo Analytical Inc.

LABORATORY CHRONICLE

Page: 3 of 3

LLI Sample No. ww 2685304 Collected: 03/26/97 at 12:08 by DC

001-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 12-08 SDG#: NBH18-02

Submitted: 03/28/97

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

NO NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	04/08/97 0416	Donna R. Sackett
1751	Chromium	SW-846 6010A	1	04/08/97 0416	Donna R. Sackett
1753	Copper	SW-846 6010A	1	04/08/97 0416	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	04/04/97 0754	Jennifer Garrett
1055	Lead (furnace method)	SW-846 7421	1	04/08/97 2252	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A		04/03/97 1330	Christine M. Conlin
0173	PCBs in Water	SW-846 8081	1	04/02/97 2212	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B		04/01/97 1315	Roxanne M. Roth



P.O. LL-2139-A7

Rel. 03886-118-002



Page: 1 of 3

LLI Sample No. ww 2685305 Collected: 3/26/97 at 12:08 by DC

Submitted: 3/28/97 Reported: 4/11/97 Discard: 5/12/97

101-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-101- SDG#: NBH18-03

CAT

NO. ANALYSIS NAME

1749 Cadmium 1751 Chromium 1753 Copper

1055 Lead (furnace method)

PCBs in Water

Account No: 08947 Roy F. Weston, Inc.

Bldg. 3701 Barnum Road Devons MA 01433

AS RECEIVED

METHOD RESULTS DETECTION LIMIT UNITS

N.D. 0.0027 mg/1 0.0043 mg/1 N.D. 0.0051 J 0.0038 mg/l 0.0012 mg/l 0.0173

See Page 2

Roy F. Weston, Inc. 1 COPY TO 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 123814 558745 09:04:23 D 0002 12 0.00 00010504 ASR000



Lancaster Laboratories 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-19426 717-656-2300 (a) 1 July 1981





Page: 2 of 3

LLI Sample No. ww 2685305 Collected: 3/26/97 at 12:08 by DC

Discard:

5/12/97

Submitted: 3/28/97 Reported: 4/11/97

101-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -101- SDG#: NBH18-03

ANALYSIS NAME

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

**METHOD** DETECTION LIMIT UNITS RESULTS

CAT

NO.

PCBS	in Water			
0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	N.D. N.D. N.D. N.D. N.D. N.D.	0.041 0.11 0.045 0.094 0.036 0.13 0.034	ug/1 ug/1 ug/1 ug/1 ug/1 ug/1

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



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LABORATORY CHRONICLE

Page: 3 of 3

LLI Sample No. ww 2685305 Collected: 03/26/97 at 12:08 by DC

Submitted: 03/28/97

101-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-101- SDG#: NBH18-03

CAT **ANALYSIS** NO ANALYSIS NAME METHOD TRIAL DATE AND TIME **ANALYST** 1749 Cadmium SW-846 6010A 04/08/97 0428 1 Donna R. Sackett 1751 SW-846 6010A Chromium 04/08/97 0428 04/08/97 0428 Donna R. Sackett Donna R. Sackett Jennifer Garrett 1 1753 Copper SW-846 6010A 1 1848 WW SW846 ICP Digest (tot rec) SW-846 3005A 1 04/04/97 0754 1055 Lead (furnace method) SW-846 7421 04/08/97 2301 04/03/97 1330 Jolene M. Schields 1 5704 WW/TL SW 846 GFAA Digest tot SW-846 3020A 1 Christine M. Conlin 0173 PCBs in Water SW-846 8081 04/02/97 1937 04/01/97 1315 Rick Shober 0817 Water Sample Pest. Extraction SW-846 3510B Roxanne M. Roth

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433







Page: 1 of 3

LLI Sample No. ww 2685306 Collected: 3/26/97 at 12:50 by DC

Submitted: 3/28/97 Reported: 4/11/97

Discard: 5/12/97

006-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-006- SDG#: NBH18-04

CAT NO.

ANALYSIS NAME

1749 Cadmium 1751 Chromium 1753

Copper 1055 Lead (furnace method)

PCBs in Water

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD RESULTS DETECTION LIMIT UNITS

N.D. 0.0027 mg/1 0.0043 N.D. mg/1 N.D. 0.0038 mg/10.0020 J 0.0012 mg/1

See Page 2

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 123814 558745 09:04:33 D 0002 12 0.00 00010504 ASR000



Lancaster Laboratories 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 for projective 2081.



P.O. LL-2139-A7

Rel. 03886-118-002



Page: 2 of 3

LLI Sample No. ww 2685306 Collected: 3/26/97 at 12:50 by DC

Submitted: 3/28/97 Reported: 4/11/97 Discard: 5/12/97

006-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-006- SDG#: NBH18-04

CAT

NO. ANALYSIS NAME

PCBs in Water

PCB-1016 0639 0640 PCB-1221 0641 PCB-1232 0642 PCB - 1242 PCB-1248 PCB-1254 0643 0644 0645 PCB-1260

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

AS RECEIVED

**METHOD** 

RESULTS DETECTION LIMIT UNITS

N.D. 0.040 ug/1 N.D. 0.11ug/1 N.D. 0.045 ug/1 N.D. 0.093 ug/1 N.D. 0.036 ug/1

N.D. 0.13 ug/1 N.D. 0.034 ug/1

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs

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LABORATORY CHRONICLE

Page: 3 of 3

LLI Sample No. WW 2685306 Collected: 03/26/97 at 12:50 by DC

Submitted: 03/28/97

006-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-006- SDG#: NBH18-04

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	04/08/97 0432	Donna R. Sackett
1751	Chromium	SW-846 6010A	1	04/08/97 0432	Donna R. Sackett
1753	Copper	SW-846 6010A	1	04/08/97 0432	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	04/04/97 0754	Jennifer Garrett
1055	Lead (furnace method)	SW-846 7421	1	04/08/97 2318	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A		04/03/97 1330	Christine M. Conlin
0173	PCBs in Water	SW-846 8081	1	04/02/97 2251	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B		04/01/97 1315	Roxanne M. Roth

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433







Page: 1 of 3

LLI Sample No. ww 2685307 Collected: 3/26/97 at 13:30 by DC

Submitted: 3/28/97 Reported: 4/11/97 Discard: 5/12/97 Discard:

004-0397 Unspiked Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-004- SDG#: NBH18-05BKG

CAT

NO. ANALYSIS NAME

1749 Cadmium 1751 Chromium

1753 Copper 1055 Lead (furnace method)

0173 PCBs in Water Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD

**RESULTS** DETECTION LIMIT UNITS

0.0027 mg/1 N.D. 0.0043 mg/1 N.D. N.D. 0.0038 mg/1 0.0012 mg/l 0.0068

See Page 2

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 123814 558745 09:04:54 D 0002 12 0.00 00010504 ASR000



Lancaster Laboratories 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300, Fab. 111 Philips 1



P.O. LL-2139-A7

Rel. 03886-118-002



Page: 2 of 3

LLI Sample No. ww 2685307 Collected: 3/26/97 at 13:30 by DC

Submitted: 3/28/97 Reported: 4/11/97 Discard: 5/12/97

004-0397 Unspiked Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-004- SDG#: NBH18-05BKG

CAT

NO.

ANALYSIS NAME

PCBs in Water

PCB-1016 0639 0640 PCB-1221 0641 PCB-1232 0642 PCB-1242 PCB-1248 PCB-1254 0643 0644 0645 PCB-1260

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

AS RECEIVED

METHOD

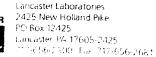
RESULTS DETECTION LIMIT UNITS

N.D. 0.042 ug/1 N.D. 0.12 ug/1 N.D. 0.047 ug/1 0.109 J 0.098 ug/1 N.D. 0.037 ug/1 N.D. 0.14 ug/1 N.D. 0.035 ug/l

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs





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LABORATORY CHRONICLE

Page: 3 of 3

LLI Sample No. ww 2685307 Collected: 03/26/97 at 13:30 by DC

Submitted: 03/28/97

004-0397 Unspiked Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -004- SDG#: NBH18-05BKG

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749 1751 1753 1848	Cadmium Chromium Copper WW SW846 ICP Digest (tot rec)	SW-846 6010A SW-846 6010A SW-846 6010A SW-846 3005A	1 1 1	04/08/97 0349 04/08/97 0349 04/08/97 0349 04/04/97 0754	Donna R. Sackett Donna R. Sackett Donna R. Sackett Jennifer Garrett
1055 5704	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1 1	04/08/97 1136 04/03/97 1330	Elizabeth A. Tomlinson Christine M. Conlin
	PCBs in Water Water Sample Pest. Extraction	SW-846 8081 SW-846 3510B	1	04/03/97 1053 04/01/97 1315	Rick Shober Roxanne M. Roth





Page: 1 of

LLI Sample No. ww 2685308 Collected: 3/26/97 at 13:30 by DC

Discard:

5/12/97

Submitted: 3/28/97 Reported: 4/11/97

004-0397 Duplicate Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -004- SDG#: NBH18-05DUP

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED CAT NO. ANALYSIS NAME

METHOD RESULTS DETECTION LIMIT UNITS

1749 Cadmium N.D. 0.0027 mg/1 1751 Chromium N.D. 0.0043 mg/1 1753 Copper N.D. 0.0038 mg/1 1055 Lead (furnace method) 0.0063 J 0.0060 mg/1

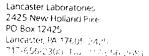
The quantitation limit for lead was increased due to the nature of the sample matrix.

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group Roy F. Weston, Inc.

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 09:05:08 D 0002 12 123814 558745 0.00 00004524 ASR000





# Lancaster Laboratories A division of Thermo Analytical Inc.

LABORATORY CHRONICLE

Page: 2 of 2

LLI Sample No. ww 2685308 Collected: 03/26/97 at 13:30 by DC

Submitted: 03/28/97

004-0397 Duplicate Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -004- SDG#: NBH18-05DUP

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749 1751 1753 1848	Cadmium Chromium Copper WW SW846 ICP Digest (tot rec)	SW-846 6010A SW-846 6010A SW-846 6010A SW-846 3005A	1 1 1	04/08/97 0357 04/08/97 0357 04/08/97 0357 04/04/97 0754	Donna R. Sackett Donna R. Sackett Donna R. Sackett Jennifer Garrett
1055 5704	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1	04/08/97 2224 04/03/97 1330	Jolene M. Schields Christine M. Conlin

Account No: 08947

Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433





P.O. LL-2139-A7

Rel. 03886-118-002



Page: 1 of 2

LLI Sample No. ww 2685309 Collected: 3/26/97 at 13:30 by DC

Submitted: 3/28/97 Reported: 4/11/97 Discard: 5/12/97

Discard:

- \_ ~ ~ ~

CAT

NO.

004-0397 Matrix Spike Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-004- SDG#: NBH18-05MS

AS RECEIVED

METHOD **RESULTS** DETECTION LIMIT UNITS

Account No: 08947

Devons MA 01433

Roy F. Weston, Inc.

Bldg. 3701 Barnum Road

0.045 0.0027 mg/1 0.0043 mg/1 0.0038 mg/1 0.192 0.243 0.0060 mg/1 0.021

1749 Cadmium 1751 Chromium 1753 Copper 1055 Lead (furnace method)

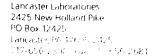
ANALYSIS NAME

1 COPY TO 1 COPY TO Roy F. Weston, Inc. Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 123814 558745 09:05:15 D 0002 12 0.00 00004524 ASR000







#### LABORATORY CHRONICLE



Page: 2 of 2

LLI Sample No. ww 2685309 Collected: 03/26/97 at 13:30 by DC

Submitted: 03/28/97

004-0397 Matrix Spike Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -004- SDG#: NBH18-05MS

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

NO NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1753	Cadmium	SW-846 6010A	1	04/08/97 0401	Donna R. Sackett
	Chromium	SW-846 6010A	1	04/08/97 0401	Donna R. Sackett
	Copper	SW-846 6010A	1	04/08/97 0401	Donna R. Sackett
	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	04/04/97 0754	Jennifer Garrett
1055	Lead (furnace method)	SW-846 7421	1	04/08/97 2233	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A		04/03/97 1330	Christine M. Conlin





Page: 1 of 2

LLI Sample No. ww 2685310 Collected: 3/26/97 at 13:30 by DC

Submitted: 3/28/97 Reported: 4/11/97

Discard: 5/12/97

Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

Account No: 08947

P.O. LL-2139-A7 Rel. 03886-118-002

004-0397 Matrix Spike Duplicate Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -004- SDG#: NBH18-05MSD

AS RECEIVED

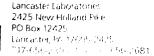
NO.	ANALYSIS NAME	RESULTS	METHOD DETECTION LIMIT UNITS		
1749	Cadmium	0.045	0.0027 mg/1		
1751	Chromium	0.185	0.0043 mg/1		
1753	Copper	0.232	0.0038 mg/1		
1055	Lead (furnace method)	0.0125	0.0012 mg/1		

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 09:05:22 D 0002 12 123814 558745 0.00 00004524 ASR000







# Lancaster Laboratories A division of Thermo Analytical Inc.

LABORATORY CHRONICLE

Page: 2 of 2

LLI Sample No. ww 2685310 Collected: 03/26/97 at 13:30 by DC

Submitted: 03/28/97

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

004-0397 Matrix Spike Duplicate Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -004- SDG#: NBH18-05MSD

NO NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1753	Cadmium Chromium Copper WW SW846 ICP Digest (tot rec)	SW-846 6010A SW-846 6010A SW-846 6010A SW-846 3005A	1 1 1	04/08/97 0405	Donna R. Sackett Donna R. Sackett Donna R. Sackett Jennifer Garrett
1055 5704	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1	04/08/97 1201 04/03/97 1330	Elizabeth A. Tomlinson Christine M. Conlin





Page: 1 of 3

LLI Sample No. ww 2685311 Collected: 3/26/97 at 13:40 by DC

Submitted: 3/28/97 Reported: 4/11/97 Discard: 5/12/97

005-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-005- SDG#: NBH18-06

CAT NO.

ANALYSIS NAME

1749 Cadmium 1751 Chromium 1753

Copper 1055 Lead (furnace method)

0173 PCBs in Water Account No: 08947

Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD **RESULTS** DETECTION LIMIT UNITS

0.0027 mg/l 0.0043 mg/l N.D. 0.0130 J 0.0038 mg/1 0.0051 J 0.0029 J 0.0012 mg/1

See Page 2

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative at (717) 656-2300 123814 558745 De Brooks Ue Brooks 09:05:31 D 0002 12 0.00 00010504 ASR000



Lancaster Laboratories 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425

71--656-1300 Fax 717 656-158.1





Page: 2 of 3

LLI Sample No. ww 2685311 Collected: 3/26/97 at 13:40 by DC

Submitted: 3/28/97 Reported: 4/11/97 Discard:

5/12/97

Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

ug/1

ug/1

0.14

0.035

AS RECEIVED

N.D.

N.D.

Account No: 08947

P.O. LL-2139-A7 Rel. 03886-118-002

005-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-005- SDG#: NBH18-06

PCB-1260

0644

0645

CAT METHOD NO. ANALYSIS NAME RESULTS DETECTION LIMIT UNITS PCBs in Water 0639 PCB-1016 N.D. 0.042 ug/1 0640 PCB-1221 N.D. 0.12 ug/1 0641 PCB-1232 N.D. 0.047 ug/1 PCB-1242 0642 N.D. 0.097 ug/1 PCB-1248 PCB-1254 N.D. 0.037 0643 ug/1

> Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



# Lancaster Laboratories A division of Thermo Analytical Inc.

LABORATORY CHRONICLE

Page: 3 of 3

LLI Sample No. ww 2685311 Collected: 03/26/97 at 13:40 by DC

Submitted: 03/28/97

005-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -005- SDG#: NBH18-06

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	04/08/97 0436	Donna R. Sackett
1751	Chromium	SW-846 6010A	1	04/08/97 0436	Donna R. Sackett
1753	Copper	SW-846 6010A	1	04/08/97 0436	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	04/04/97 0754	Jennifer Garrett
1055	Lead (furnace method)	SW-846 7421	1	04/08/97 2327	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	04/03/97 1330	Christine M. Conlin
0173	PCBs in Water	SW-846 8081	1	04/03/97 1131	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B		04/01/97 1315	Roxanne M. Roth

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433







Page: 1 of

LLI Sample No. ww 2685312 Collected: 3/26/97 at 15:00 by DC

Submitted: 3/28/97 Reported: 4/11/97

Discard: 5/12/97

202-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-202- SDG#: NBH18-07

ANALYSIS NAME

PCBs in Water

Lead (furnace method)

Cadmium

Copper

Chromium

CAT

NO.

1749

1751

1753

1055

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

**METHOD RESULTS** DETECTION LIMIT UNITS

Account No: 08947

Devons MA 01433

Roy F. Weston, Inc. Bldg. 3701 Barnum Road

N.D. 0.0027 mg/l 0.0043 mg/1 N.D. N.D. 0.0038 mg/1 N.D.

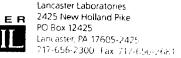
0.0012 mg/l See Page

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative at (717) 656-2300 123814 558745 De Brooks 09:05:49 D 0002 12 0.00 00010504 ASR000







P.O. LL-2139-A7

Rel. 03886-118-002



Page: 2 of 3

LLI Sample No. ww 2685312 Collected: 3/26/97 at 15:00 by DC

Discard: 5/12/97

Submitted: 3/28/97 Reported: 4/11/97

US ACOE-New Bedford 03886-118-002-0500-03 -202- SDG#: NBH18-07

ANALYSIS NAME

202-0397 Grab Water Sample

AS RECEIVED

METHOD RESULTS DETECTION LIMIT UNITS

Account No: 08947

Devons MA 01433

Roy F. Weston, Inc. Bldg. 3701 Barnum Road

PCBs in Water

CAT

NO.

0639 PCB-1016 0640 PCB-1221 0641 PCB-1232 0642 PCB-1242 0643 PCB-1248 0644 PCB-1254 0645 PCB-1260 N.D. 0.041 ug/1 N.D. 0.11 ug/1 N.D. 0.045 ug/1 N.D. 0.094 ug/1

N.D. 0.036 ug/1 N.D. 0.13 ug/1 N.D. 0.034 ug/1

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs





#### LABORATORY CHRONICLE



Page: 3 of 3

LLI Sample No. ww 2685312 Collected: 03/26/97 at 15:00 by DC

Submitted: 03/28/97

202-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -202- SDG#: NBH18-07

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	04/08/97 0440	Donna R. Sackett
1751	Chromium	SW-846 6010A	1	04/08/97 0440	Donna R. Sackett
1753	Copper	SW-846 6010A	1	04/08/97 0440	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	04/04/97 0754	Jennifer Garrett
1055	Lead (furnace method)	SW-846 7421	1	04/08/97 2336	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A	1	04/03/97 1330	Christine M. Conlin
0173	PCBs in Water	SW-846 8081	1	04/03/97 0047	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B	1	04/01/97 1315	Roxanne M. Roth

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433







Page: 1 of 3

LLI Sample No. ww 2685313 Collected: 3/27/97 at 09:30 by DC

Submitted: 3/28/97 Reported: 4/11/97

Discard: 5/12/97

002-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03

-002- SDG#: NBH18-08

CAT NO. ANALYSIS NAME

1749 Cadmium 1751 Chromium 1753 Copper

1055 Lead (furnace method)

0173 PCBs in Water Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD RESULTS **DETECTION LIMIT UNITS** 

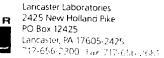
N.D. 0.0027 mg/l N.D. 0.0043 mg/1N.D. 0.0038 mg/1 N.D. 0.0012 mg/1

See Page 2

Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

232 0.00 00010504 ASR000







2 of 3 Page:

LLI Sample No. WW 2685313 Collected: 3/27/97 at 09:30 by DC

Submitted: 3/28/97 Reported: 4/11/97

Discard: 5/12/97

002-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -002- SDG#: NBH18-08

ANALYSIS NAME

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD **RESULTS** DETECTION LIMIT UNITS

PCBs in Water

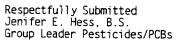
CAT

NO.

0639 0640 0641 0642 0643 0644 0645	PCB-1016 PCB-1221 PCB-1232 PCB-1242 PCB-1248 PCB-1254 PCB-1260	N.D. N.D. N.D. N.D. N.D. N.D.	0.040 0.11 0.044 0.093 0.035 0.13 0.033	ug/] ug/] ug/] ug/] ug/] ug/]

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300







# Lancaster Laboratories A division of Thermo Analytical Inc.

LABORATORY CHRONICLE

Page: 3 of 3

LLI Sample No. ww 2685313 Collected: 03/27/97 at 09:30 by DC

Submitted: 03/28/97

002-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -002- SDG#: NBH18-08

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1749	Cadmium	SW-846 6010A	1	04/08/97 0444	Donna R. Sackett
1751	Chromium	SW-846 6010A	1	04/08/97 0444	Donna R. Sackett
1753	Copper	SW-846 6010A	1	04/08/97 0444	Donna R. Sackett
1848	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	04/04/97 0754	Jennifer Garrett
1055	Lead (furnace method)	SW-846 7421	1	04/04/97 2350	Jolene M. Schields
5704	WW/TL SW 846 GFAA Digest tot	SW-846 3020A		04/03/97 1330	Christine M. Conlin
0173	PCBs in Water	SW-846 8081	1	04/03/97 0125	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B		04/01/97 1315	Roxanne M. Roth

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433







Page: 1 of 3

LLI Sample No. ww 2685314 Collected: 3/27/97 at 11:25 by DC

Submitted: 3/28/97 Reported: 4/11/97

Discard: 5/12/97

003-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -003- SDG#: NBH18-09\*

CAT

ANALYSIS NAME NO.

1749 Cadmium 1751 Chromium 1753 Copper

1055 Lead (furnace method)

PCBs in Water 0173

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

AS RECEIVED

METHOD RESULTS DETECTION LIMIT UNITS

0.0073 J 0.0027 mg/1 N.D. 0.0043 mg/1 0.0038 mg/1 0.061 0.0014 J 0.0012 mg/1

See Page

1 COPY TO Roy F. Weston, Inc. 1 COPY TO Data Package Group

ATTN: Mr. Thomas Abdella

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300 123814 558745 09:06:13 D 0002 12 0.00 00010504 ASR000



Lancaster Laboratories 2425 New Holland Pike PO Box 12425 Lancaster, PA 17605-2425 717-656-2300 Fax 717-656-2681





Page: 2 of

LLI Sample No. WW 2685314 Collected: 3/27/97 at 11:25 by DC

Discard: 5/12/97

Submitted: 3/28/97 Reported: 4/11/97

003-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -003- SDG#: NBH18-09\*

PCB-1221

PCB-1232

PCB-1242

PCB-1248

PCB-1254

PCB-1260

0640

0641

0642

0643

0644

0645

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road Devons MA 01433

P.O. LL-2139-A7 Rel. 03886-118-002

~~~			AS	RECEIVED
CAT NO.	ANALYSIS	NAME	RESULTS	METHOD DETECTION LIMIT UNITS
PCBs	in Water			
0639	PCB-1016		N.D.	0.041 ug/l

0.041 ug/1 N.D. 0.11 ug/1 N.D. 0.046 ug/1 0.095 N.D. ug/1 N.D. 0.036 ug/1 N.D. 0.13 ug/1 N.D. 0.034 ug/1

Questions? Contact your Client Services Representative De Brooks at (717) 656-2300



Respectfully Submitted Jenifer E. Hess, B.S. Group Leader Pesticides/PCBs



#### LABORATORY CHRONICLE



Page: 3 of 3

LLI Sample No. ww 2685314 Collected: 03/27/97 at 11:25 by DC

Submitted: 03/28/97

003-0397 Grab Water Sample

US ACOE-New Bedford 03886-118-002-0500-03 -003- SDG#: NBH18-09\*

CAT NO	ANALYSIS NAME	METHOD	TRIAL	ANALYSIS DATE AND TIME	ANALYST
1753	Cadmium	SW-846 6010A	1	04/08/97 0448	Donna R. Sackett
	Chromium	SW-846 6010A	1	04/08/97 0448	Donna R. Sackett
	Copper	SW-846 6010A	1	04/08/97 0448	Donna R. Sackett
	WW SW846 ICP Digest (tot rec)	SW-846 3005A	1	04/04/97 0754	Jennifer Garrett
	Lead (furnace method) WW/TL SW 846 GFAA Digest tot	SW-846 7421 SW-846 3020A	1	04/08/97 2354 04/03/97 1330	Jolene M. Schields Christine M. Conlin
0173	PCBs in Water	SW-846 8081	1	04/03/97 0204	Rick Shober
0817	Water Sample Pest. Extraction	SW-846 3510B		04/01/97 1315	Roxanne M. Roth

Account No: 08947 Roy F. Weston, Inc. Bldg. 3701 Barnum Road

Devons MA 01433



For Lancaster Laboratories use only	
For Lancaster Laboratories use only  Acct. # 894 Sample # 7685303 14	,
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STORESTANDINE MICHIGINAL AND STANDING S

	Please print. Instru	ctions on reverse	side correspond with	circled numbers		4
Client: DVY F. WESTON FAX  Project Name/#: NEW BEDFORD			4 (5)			For lab use only  FSC:
Project Manager: DW ABDC-UA/DAVID (RIS				\$\\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\ \\		
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001-0397	3/26/97 1208		4 , ,		Sample	s 10
101 - 0397	3/26/97 1208		4		Dissolv	ed analyses
006 - 0397	3/26/97 1250		4		were die	ld S. Henred
004-0397	3/26/97 1330		12		ms/	
	3/26/97 1340		4			
202-0397	3/26/97 1500		4			
002 - 0397	3/27/97 0930		4			
	3/27/97/125	V	4	1 4 1		
Turnaround Time Requested (TAT) (please circle): No (Rush TAT is subject to Lancaster Laboratories approval and sur Date results are needed:	lormal Rush rcharge.)	Relinquished by:	Du	Date Time		Date Time (S
Rush results requested by (please circle): Phone (Fax.)	-	Relinquished by:		Pate Time 3/27/97 1600	Roceived by	Pate Time
Phone #: Fax #: 50877  Data Package Options (please circle if requested)	T	Relinquished by:		Date Time	Received by:	Date Time
QC Summary Type VI (Raw Data)	SDG Complete? Yes No					
Type I (Tier II) GLP Site-specific QC required	H2 Ves No	Relinquished by:		Date Time	Received by:	Date Time
Type II (Tier II) Other Type III (NJ Red. Del.)	I submit triplicate volume.)	Relinquished by:		Date Time	Received by	
Type IV (CLP)  Internal Chain of Custod	dy required? Yes No			Table Table	M 92	3 Date Time